Rec'd March 27
Ans same day

Wilkes-Barre Luzerne Co Pa ~~Mar 16~~
March 23rd 1874

Dr. George Engelmann

Dear Sir

After a compulsory abandonment of Botany for several years, I find my self again in the ranks. - I hope to stay there. I must here offer my regrets that just at the time I might have been of some service to you in making collections for the various lines of work you have been engaged in I have had my hands so full that I was unable to attend to it. I do hope my dear Sir sometime to show myself ready to put material in your hands. I am now in daily expectation of being ordered to Arizona - nominally as Surgeon to Wheeler's expedition but actually as Botanist. What directions have you to give me in regard to Cactaceae, Compositae or anything else? I shall do my best to attend to them.

Yours Truly

J. F. Rothrock

Dr. George Engelmann

Rothrock

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Recd April 7th 1874
ans

Wilkesbarre Luzerne Co
Pa

Dr Engelmann

My dear Sir

I have received your kind and instructive communication - for which thanks. I will try to note all, or as many of these desiderata as possible

I have only your monographs on Cuscuta and Juncei. I would like very much to have copies of anything else that you have written and have to spare

Yours truly
L. F. Rothrock

Dr. Geo Engelmann

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Rec^d Febr 8th
Ans — 11 & 15 —

Wilkes-Barre. Luzerne Co. Feby 3rd 1875

Dear Doctor

I send you by Express to day a full set of the plants of the order to which you are devoted. Retain them as your own. In looking over that statement of Gentiana barbellata. I am now willing to admit the species. I had at the time of seeing you in St. Louis forgotten exactly what I had written and I think ~~a comp~~ the opinion expressed in my statement mean that my doubt falls rather on the identity of Mr Coulter's specimen than on the species itself. However I may be wrong in both and no man will more cheerfully acknowledge his error. I would like above all things an authentic specimen of barbellata if you could spare it.

Please when you have examined (at your leisure) the plants I send you give me the names & any notes you may wish published. And I will insert each order under your name. It would be an especial favor if you could send me in a few

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57. Q. undulata 101 Opuntia arborescens

days the names to the following numbers

Agave stenophylla Thuja juniper P. edulis = 287 Q. oblongifol P. ponderosa Opuntia Juniper polycephalus

496, 510, 493, 509, 508, 652, 6, 140,

P. chihuana Quercus hastata Q. confertifolia 1408? P. flexilis Agave Parryi P. ponderosa

649, 678a, 653, 1001, 274, 67,

Quercus Gambelii Nutt Quercus oblongifolia Torr Q. Emoryi hastata Liebm? P. flexilis James P. ponderosa

294. 252, 292, 287, 783, 815,

Abies concolor Abies Douglasii Abies Engelmann

786, 785, 784. I want to prepare a popular report for Mr Wheeler and defer any further publication of results until next year.

Since I began writing the above an authentic specimen of Lentiana barbata from Dr. Parry has turned up – and may in future prevent any mistake arising from this source

Yours Truly

J. T. Rothrock

2 Salix, no label

file 678a 294

Wilkes Barre Feby 3. 75

Dear Doctor

Dr

Should you find in what I have sent any thing new if you will send as possible furnish notes & descriptions of the same. I will join it with a like report from Dr. Gray and have it published at an early date in Naturalist, getting a lot of Specimens attached for distribution

Should you want any further notes please let me know & I will furnish all I can – Only bear in mind my dear Doctor when I appear to have come short, in botanical collection, that Botany was but one of many equally pressing duties I have had to attend to, I would like to make one trip in which I had nothing but Botany to look after!

Yrs

L. G. Rothrock

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Rec Febr 19
ans same day

yours cons of Pines

Wilkes-Barre Feby 16. 1875

Dear Doctor

Have just received yours of 11, thanks for G. barbellata. I believe I have among the Gentians I sent you G. Wislizeni, though the glands at the bases of the filaments are not well marked. It was a late flowering thing picked up by accident after the others had passed out of season. but of this at your leisure. As for the Agaves you didn't send numbers so that I cant with certainty identify, and would rather not attempt answering until I can get the numbers.

Both Ara mescalo & the indians I believe.

If you could give me the names of the oaks and pines near enough for a popular report I would be under great obligations. I cant take the pistol again until I hand it in and I cant make the first step until I have the trees.

I am anxious to get off to the field at the very earliest time possible. Pinus Aristata, was not collected by me, and came to the office without label. I failed to get the least clue to its habitat. I will gladly send the bags you

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desire — and for you to keep, if you give me the number, if I have it.

I am so anxious to get out to that region to settle the Cactaceæ & Agave Collections — in season. And if you will to drop a line to Dr. H. C. Yarrow, Lock Box 93 Washington, as though it came from you alone naming ~~Central~~ Eastern Arizona & Western New Mexico as the field, and urging an early start it would perhaps start me early. I have now only learned what to do out there. Any questions I will be delighted to answer if I can

Yrs faithfully
J. T. Rothrock

In naming the remaining pines if there be any and the oaks please give the numbers that I may connect them with my notes

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Rec'd - Febr 26th
Ans — 27

Tilton-Barn. Feby 21, 1875

Dear Doctor Engelmann

Yours of 15 is just at hand. I had misplaced the package of willows and find they got into your collection. I was going to send them to Bebb, but if you will, name. Take out a set for yourself and return me the rest; all right, but I fear it is putting you to too much bother. Thanks for so kindly furnishing me the names. And now for your questions. 2 Arcanthotium 69 was collected June 19, 1874 787 = Mt Graham, Sept. 21st, 1874 I send specimens of 49b the best I have, Retain them for yourself. As to habit this so much resembles A. Pami collected at Rocky Canon, 274 in habit & not leaves. Then and knowing that I mine could convince my friend Hughes they were not the same, Both are called Muscal.

Now as for 654. That pine I can swear to having collected, the branches for I climbed 25 feet up the tree to get them. And I remember that the leaves looked much like P. flexilis. Now number 654 is from Santa Rita Mountain And I had last number of 1001. and added that to identify it in your numerous questionings. I find under 1001 that I had identified the tree as one of the Sannaita valley det.

This valley is eastern slope of Santa Rita which in turn are about 30 miles east of Fresno – So I am now sure that 654 and 1001 are from the same tree. How will the cone suit.

I am almost positive that the cone with the base broken off is from 652, & our 654 came from within 20 feet of each other. My notes are positive as to locality etc. I remember distinctly the cone and the tree. I wish you would not put to name that Hallenia which little Dr. Gray & all think new for Prof Oscar Loew & Lewis he first discovered it a year before I did but brought in only a fragment, I found it quite abundantly in vicy of Mt Graham. The pine 1001 = 654 and the 496 I send by mail certain bitter – I shall always be ready to answer all questions that I can.

Yours Ever

J. T. Rothrock

Thanks for Eut. habellata – Pany has also been good enough to send me a specimen –

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Rec Thank 6
An — 25

Tuch. 3rd 1875

Dear Doctor

Let the Atalmia go for Dr. Loew; he has earned a recognition in many ways. besides he last year (1873) picked up a small fragment – and I obtained it this year at another point much more abundantly But he first found it; so let him have the name.

Now as for pinus. I confess to a deal of bewilderment about it since your letter but I cannot see how I can be mistaken. I remember this positively that I can identify 1001 as 654. That I climbed to the top of 654 for a green cone that was yet so pesh that the turpentine oozed out of it with my fingers, and that I only obtained one or at most two. I will hunt for the other if I have it; I further remember that tree was spoken of by the lumbermen in the Santa Rita Mountains as rare. These are the facts of which I am positive. Of what other tree

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I could have taken it - I am too to remember. Still I leave it entirely to your decision, for I know such transportation do occur, but I "feel it in my bones" that I cant will be mistaken, & must walk a hundred miles to climb that tree again, and settle the matter.

Mt. Graham is in Arizona, south of the Gila, and about 40 miles west of the line between Arizona & New Mex. On the map accompanying Sitgreaves Expedition, it is put down as Long 110, lat. It is about 40 miles East, of Mt Francisco. The two are companion peaks.

The present Camp Grant is just south of Mt Graham at its foot, Camp Bowie is S.E. of Grant about 60 miles & is in New Mex. Camp Apache is nearly West of Fort Craig on the Rio Grande, about 150 miles in a direct line, but about 200 by the road. Gila mountains are about 60 miles N of East from Tucson. They were the great strongholds of the Apache Chief Cochise my dear, they stand right out on the open plain. Sienega or Cienega is 30 miles N.E. of Tucson. Camp Grant is 5 miles S of Mt Graham

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Recd April 10
Ans same day

Wilkes-Barre April 6, 1875

My Dear Doctor

Yours of 2nd is just at hand. When I wrote you I supposed I was going to have an immediate demand upon me for the describing all new species. I can now postpone it until my return next year. Please however let me have as full notes at that time as you can, on all species that require them. And the names you all you have not yet furnished me, a Section some Euphorbias & Asclepiads.

The entire collection as it is, now in your hands is your own absolutely. I have enough for Dr. Gray & others. I am found by act of Congress all government Collections now belong to the Smithsonian. They however turn over the plants to Dept of Agriculture. I should like the responsibility of taking out

what I do for Mr. Dr Gray & my own Collection, I will send you a full set of everything and mean to try to do it though hazey.

Yours Truly
J. M. Rusby

I mean to have figures of every new species for my final report.

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Recd Jan 11th
Ans same day

Wilkes-Barre Luzerne Co Pa
Jany. 7. 1876

Dear Doctor

Mr Whelen asks me to obtain receipts from all who have received plants from the Collections made by his party. Will you be kind enough to forward to me at your earliest convenience a receipt for plants collected in 1874, from Lieut Geo. M. Wheler per Dr. J. T. Rothrock. You need not specify numbers, but state the groups. I think they were Cactaceae, Arcenthobium, Gentianaceae Cuscuta, Euphorbiaceae Asclepiadaceae, Yuccas, Agaves, & Conifers. Juncus also. I believe these were all. I regret very much to have to ask so unusual a thing but Mr. W. is acting this year very singularly. He cuts me off from sending plants to any specialists, unless I comply with some impossible conditions he names, I am thus deprived of the benefit of botanical assistance

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in preparing my work. and I think I shall therefore decline to assume the task of making a final report, unless he modify his demands. I have many California things collected this year - that I want to send you but cant do it without his permission.

I can without making any further explanation of his conduct say that he does not attribute any thing dishonest or dishonorable to me or to those who have received material from the Expedition. It is simply one of his very foolish whims. I would not have written this much except that I felt bound to do so. I have had trays set made out for three weeks but cant send it. It is an outrage to which he makes me an unwilling party.

Yours, &c

J. L. Rothrock

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Rec Jan 18
Ans Feb 4

Nellis's Land Luzerne Co Pa
Aug 13, 1876

Dear Dr Asa

I did not get to San Bernardino - and did not get any letter from you - The fact is I was assigned to an entirely different field from that which I expected to get to - And reaches the former after sheep and the dry season has destroyed almost all herbaceous botany. Our besides was so taken up with archaeology that I was unable to do justice to what remained. Still I got some 450 species - Among them are a fair proportion of your desiderata. Your Agave Parryi has not yet come though it is doubtless en route - I only await Wheeler's permission to send you lots of what you desire. I hope to have it ere long. "Red Tape" is to me an abomination. I can work so much more satisfactorily if Wheeler would give me a Carte Blanche

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I hope in a little to get permission to ask you to give me full notes & description of what you have from me for the final report

The specimens I sent are yours, so at least I understand, and so I mean to fight for at Washington. It is due to you that you should keep specimens of what you work up. Dr Gray has, or will have specimens of all.

From Los Angeles I went to Santa Barbara - thence via Santa Clara Valley to Fort Tejon - thence to the Tulare lake region. Thence to Mount Whitney and returned by way of South Fork of Kern River to Caliente (near Bakersfield) where we disbanded. I leave the survey this winter, but will try to be patient under the manifold restrictions to which I am subject. Oaks I got a good lot of - also Conifers though of the latter many were in poor condition - I have pretty full notes of both. Yours truly

S. F. Blake

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Rec'd Febr 7th
Ans

Tilles-Bay Feby 2nd 1876

My Dear Doctor

I have to day sent on by Express a package of a few plants from Mount Wheeler. On Monday you will find a letter from him.

I will be glad to answer any or all queries I can. And at any time.

I had according to Mr Watson found a new Vauquelinia. Ferr 20 ft high. Cinder through near Santa Barbara, so he it looks more like Thurber's but exactly it — Photinia — Oh, no, further examination will settle the question.

Yours &c.

J. M. Bigelow

Photinia has serrate, Vauquelinia entire — away

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3003 Locust St St Louis Febr 8th 1876

Lieut G. M. Wheeler

Dear Sir

I have today received from Dr Rothrock the box of botanical specimens to which you refer in your letter of Jan 28th. They consist of

Cactaceae	1. species	
Sempervivaceae	1 sp.	
Cuscuta	1	
Gentianaceae	2	
Asclepiadaceae	2	
Loranthaceae	2	
Euphorbiaceae	3	
Cupuliferae	6	7 sp.
Coniferae	10	13 sp
Liliaceae	1	
Iridaceae	3	4

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I do not fully understand what you mean by consolidating different reports? I can properly, I think, only write about what I have seen and examined; and that is the collections made in 1874 and 1875 by Dr Rothrock. Of course I could not be well responsible for what others have done. I remember, though, of having examined some few specimens collected in former years by your corps, especially Conifers and Loranthaceae, sent to me I think by Mr Watson and returned to him. But I have kept no list of them.

I will do however in this matter as much as I can. Please inform me further about it.

Perhaps it would be best as you suggest in your letter,

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to let me have ~~that~~ the genera or families above enumerated, of the older Collectors, to be returned to Washington as soon as studied.

With the assistance of the speaking I could readily elaborate these plants, and report on them in the manner you desire.

But I should also require full labels, which I often find very insufficient, as to locality or date and other information, not imparted by the specimen itself.

Sometimes the specimens are so incomplete that a full botanical description or even determination of the species becomes impossible. And thus it would have been a great deal better if all the material collected would have been

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entrusted to me, with the understanding to return all but one specimen. Even 20 specimen, you know, are often not too much, for studying a new or difficult plant, one will exhibit, what another does not —

Very respectfully

G. Engelmann

× When you now desire your a good part fritter and I am not sure that I could find the time to write out such an account in the time specified

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Recd Febr 15th
Ans Apl 26

Wilkes-Barre July 11, 1876

Dear Doctor

I have just received yours of 8th. I will answer the general consideration to night and then to morrow look up the particular inquiries. 1st As to my labels – they are the same both we had for our last season, and none have been changed had we had any new ones struck off. Lake Elizabeth is about 70 miles N.E. of Santa Barbara and just north of the divide which is north of the head of Santa Clara valley. Fort Tejon is 25 miles south of Kern Lake. Mt. Pinos is S.W. of Kern Lake say 30 miles on one of the highest Eastern Spurs of the Coast range. It is nearly 8000 ft high. Walker's Basin is say 30 miles east of Kern Lake in the extreme southern portion of the Sierras. Alt. 3400 ft. It is not over 4 miles x 2. Tehachapi is just above where Kern River divides into the North & South forks, which should instead be called East & West forks. Tanguilinia turns out as I had conjectured it might be, Photinia. Peru Creek is say 50 miles East of Santa Barbara in the Coast range. Mt. Olancha is 12000 ft high just west of Owens Lake. The points I have used as land marks will appear on any map of Cal. & from them you can locate the other points,

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I have a good collection of my own with a good library and without one to bring both up. Hence a set of your specimens would be especially acceptable. ~~Also a little of~~ That Echinocereus 149 is from Bartletts Canon – Back of Santa Barbara where it grows out of the dry clefts of the sandstone rocks. All I know for under that number is I think part of that species. Such is my impression but the but the long name grosseularia might by accident have gotten in with the rest though I doubt it. You can bet on "my shaver" of Arceuthobium seed. They actually pelted me when I shook the limb to which they were attached. Pinus Sabiana with Arceuthobium & Cone all came from Walkers Basin. In my range the tree was very local. I only met it in Walkers Basin and as far up as Weldon. (Say 25 miles north of Walkers Basin) It presents a wonderfully open appearance. You can look through the tree anywhere so far as the leaves are concerned. Pinus Lambertiana I admit came to grief, but I did the best I could for it. A pack train is very apt to mash things up. I had it and two others wrapped up carefully in two large bags, but still they were broken. The tree is not uncommon where I was at from 5 to 7000 feet, 6000 being its best ground. I suspect 214 & 251 are the same but am not quite sure. The so called black pine and yellow pine though growing to gether and looking very much alike are undoubtedly distinct. The lumbermen

Set a much higher price for the Yellow than for the other. Just now my note book is in Washington so that I can't tell just in what the difference consists. The back of the Yellow pine is exactly that of P. ponderosa of 404 P. Balfoniana I could get no cones. It was the highest tree on the mountain side. I mean highest alone the sea 12100 ft. on south side of Mt Whitney

266. & 350 are rather rare in Southern Cal. Still I met with them in two places.

I contemplate in a year, a winter visit to the Mexican Boundary. – A year region. If our party now made up, will have to make it partly pay expenses, but mean to go on my own hook. and look out for botany first last and all the time. To get several sets for exchange in Europe – for good specimens authentically determined. for my own collection. This is confidential – as I would feel sorry now to have any one else go in on the ground I have blocked out. It is the only way I can bring my herbarium up. And I am determined to make it as full as possible. That oak 198. I reproach myself for not having obtained fruiting, but I supposed it to be so well known that it would not be worth the climb. I was wrong.

Let me know anything I can answer for you. So far I have about 7 new species. Not bad for so old a botanical field as Cal. but I can go in there again. Much earlier in the

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reason and do much better.

Yr Ever J. V. Watrous

I have just solved the Damiana riddle. You know it is creating such a sensation in certain interested medical circles as an <u>Aphrodisiac</u> & also as "Yerba anti-Rheumatica" - which I have some few specimens from Monterey. and it is nothing but an old friend Aplopappus discoided DC = Bigelovia veneta G. Proc. Am. Acad VIII 638. The name has been kept in the back ground by those who send it. I propose publishing the whole history in an early number of Med & Surgical reporter of Philadelphia, - will send you a copy.

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Rec. Febr 22
Ans Apl 26

Wilkes Barre Feby. 19. 1876

Dear Doctor

I have five plants of the Arizona and New Mexican Collection all ready to ship. If you, they are simply the additional material you need for the orders you are going to elaborate for Mr. Ulmer. And are to be returned when done as Government holds the Survey responsible for them. As you have the Reid Echeveria suppose you describe it at your earliest convenience and I will insert it in a place where it will at once be published. And then transfer it to my report. I find I have mislaid of the Arizona Agaves either Palmeri or Parryi but as you have the material you can get us. I suppose after all you ask Watson what he has done with the Echeveria. and you can fix it between you to suit yourselves. He is now at work near it in Ft. Cal. What ever you decide on will suit me. Only let me know soon please. to avoid Mistake or Confusion when

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I come to the Crapulacaa - let me know about shipping these plants soon please

Yr. Ser

J. L. Rothrock

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Rec March 24th
Ans April 26

Wilkes Barre Luzerne Co Pa
March 21st 1876

Dear Doctor

I have on hand & have had for several weeks the full sets of the plants you are to work up for the Whole. I wrote you about them but having received no answer presume you did not get my letter. They are subject to your order. So when you want them please let me know and I'll forward at once. Have you on hand any copies of your lecture on the forests of the Rocky Mountains?

Yours
J. W. Ostrock

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Recd May 3rd
Ans June 14

Wilkes Barre April 30th 1876

Dear Doctor

I must explain to you how it came that Mr Watson obtained the thing we now know as Cotyledon laxa. I did not give it to two persons to study. I sent it to you hoping you would do it up. — but at same time sent one set of my entire California Collection to them at Cambridge that they might utilize it in Preparation of Fl. Cal. and among the rest this plant. When you told me the species was new — on writing to Watson I mentioned that fact that he being then just about that order might be on his guard and also communicate with you in the matter. So that this being the case I do not think I can be said to have asked two persons to study it.

I know my dear Doctor how exceedingly busy you must be. and hence will only say that Mr. Whulen is anxious to have his mss.

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in the printers hands at the ~~the~~ earliest possible time. I have been so unwell that I have had to work slowly and hence am only commencing my compilation. After June 15th I shall be away from herbarium & botany and hence if you can have me send the material by that time it will save time as I shall not be able to do so afterwards for 4 months.

Perry Ck — is in full, Perry Creek, among the mountains about 40 miles east of Santa Barbara. Mr. Palmer will not in any way interfere with me, as my object in going to Southern Arizona is not to collect for sale, but to collect & save for my own herbarium about 3 of the fullest sets I can. And after working them up place the rest in the European market for exchange. I know of no other way of building my collection up. And it is perhaps the only way I can get good

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full sets for myself. I mean to have a good North American Collection. If the plan succeeds I shall be only too glad to ask you to accept a set from me. Oct. 1878 from Cal. I neglected what I should have done - to note the Ulmus (?) prior maturing in one or two years - I think in one - but won't say as I am not sure. I have no younger pine cones of 25/. There is no doubt as to the cones & leaves of 25/ belonging together as I took them with of the same tree and marked them on the ground. My note reads Aug 3rd 1876. 5/100 ft. tree growing 60 feet high bark like yellow pine, 2½ feet in diameter - with cones. In answer I will send you all the material I have in due time. Referring to the Pine mixing of 1874. I am perfectly sure that the final statement I then made was first so. and am willing when you write the thing up, to have you place the

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responsibility of matching the one and leaves it on me – I have thought the thing over a good deal and don't see how I can have been mistaken – though of course I might have been –

Ever Yours

J. E. Rothrock

Dr Gray has already given me his name in the Cal. for my California Gentian acc. – but I will send you his notes on them and ask you to do them up in extenso – what remains to be done – There is nothing in what Dr. G. has done that will prevent this, the more so as you will want to coordinate them with my Arizona specimens of same order –

Ever Yours

J. M.

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Rec'd July 15th

North Mountain House,

SHICKSHINNY P. O., LUZERNE CO., PA.

A. v. SCHLUEMBACH, Prop'r.

July 2nd 1876

Dear Doctor

Your of June 14th has remained until now unanswered, It is too bad but I have been so taken up with the work of my class that I could do to nothing else. The scheme works admirably and will succeed. I mean it and back paper with figure photos all received for which many thanks.

The plants of 1871.-3 are described in the pamphlet you have in which by an unfortunate slip of the pen I made Gentiana barbellata a var of another species. I hope you will incorporate from Mr Watson's portion of that pamphlet and from my own all the plants of your families & genera in my connected report

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with my own Collection
in 74 & 5. The plants
in California I shall
put in as a mere list. refer
ing to Fl of Cal p. 80 for
as publisher for description.
All others I under like descriptions
unless they are found in
Watson Vol 5 Kings Report or in
Gray's Manual.
Whipple has just published Vol III
Zoology - and a large quarto
pamphlet about 200 pages of
Ornithology
I doubt whether I can do much
in botany this season but if I
can I will look after your desiderata.
About that time of 74 I did not forget
but remember this that I accepter
your grouping of Lizzies and Cons

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as Comet will be when in a few days I get at my notes.

Whether would likely report by November at furthest. If however he cant get it by that time, he cant. and that settles that question. We have no appropriation this year.

Yours Truly
J. F. Rothrock

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Rec'd O.L. 31st

Wilkes Barre Oct 26 1876

Dear Dr. Engelmann

I had hoped ere this to have written you a letter at some length on a purely botanical subject but my time has been so terribly taken up that I have been unable to do so.

I now write to thank you for your kind words (concerning my Philadelphia candidature) to that all important body the trustees. The chances look rather hopeless for me now but you they will terminate as I wish. Thanks, my dear Dr. — Be hasty but

Yours Ever

J. M. Ettwein

Plants of the Lower Wabash Valley

by J. Schneck

in Seventh annual Rep. Geol. Surv. Indiana 1876

pages 504–579

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Rec Nov 11th
Ans 12

Rec Nov 13

Dear Doctor — I forgot to say that in your report you can of course omit all description of the California species — give me only a list with any important items separately and I will put them in as an appendix. The rest I want further body of the work & describes except when in Dr. Kings report or in Gray Manual — Yours Rattlesnake

Wilke

Germantown Oct 10/75

Dear Doctor

How soon can you have your MSS on the Whulen plants ready — embracing in one all the representatives of each order published by Mr Watson and myself in the preliminary report July 1874 which you have, the specimens sent you from 1874 & 75 and describing all not found in Watsons Botany of 40th Parallel and in Gray Manual? I think I have given you specimens of Cactaceae, Crassulaceae Euphorbiaceae Gentianaceae Asclepiadaceae Compositae Campanulaceae & Scrophulaceae — in a word all your favorite orders. Mr Whulen is very anxious to get ~~them~~ all in hand soon as possible

Yours sincerely
D. L. Rattlesnake

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Rec'd No. 20

Tilkas Rau Nov 15. 1896

Dear Doctor

Your kind note just received. I shall not have my "mss ready for Wheeler for day about three months. and if you were in my hand by that time it will be early enough. And as for Q. from Montezuma, Chesnut rock oak — there is abundance of it growing in the mountains hereby — at least I know of it at Notch Mountain (mentioned by Mx) about 30 miles from here. but I think I can get some nearer. & will try coming Saturday. If I fail then I'll go first chance to Notch Mountain. I will attend to all the point for you.

I think the Philad appointment all right — but cant say for a month with certainty — Next summer again I must run my Mountain school — to prove to all that

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My idea was correct in starting it and after that (how the thought delights me!) to Arizona again — for can't the hard hand the restraints of civilization are more after the vagrant life I have seen so much of. Still if I go to Philadelphia I mean to sacrifice all my own choice for the sake of starting a decent department of botany there

Yours truly
J. M. Rothrock

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Rec'd Nov 22
ans Dec 9

Wilkes Barre Nov 18. 1876

Dear Doctor

I have been off this morning after the chestnut oak for you. The result is I have one set of specimens, good as far as they go, of what we call that oak. While the leaves correspond admirably the acorn does not. It is much shorter than figured by Prof. You will however find that among the acorns & and you is a great variation in size yet all come from the same clump of trees on a high ~~dry rocky~~ dry Wilkes Barre Mountain at 1600 ft. above the sea. I find the bark becomes rough at this altitude much earlier than 500 feet lower down in a less exposed situation. I have no doubt you will excuse my stupidity or at least quietly mutter "caramba" when I tell you that in spite of appearances I believe No 1.- leaves & wood (I have no acorns) - is the same with all the rest. The old woodman who was with me settled the difficulty & difference by saying one was he & the other she. In a few days I will get

for some other specimens from the lower altitudes on same mountains and then send all on.

The acorns of No 1 I could not get, certainly. Now I am not satisfied. On the foot of Smith mountain is another oak with bark still more like the chestnut & leaves dito and with an acorn such as Mr figures. This I will get for you as I can it is a fifty mile drive but I will go as soon as I can. I think however it is only a variety of what I will send you in first package.

Yours &c

J. M. Wolfinbarger

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Ans Dec 9th
Ans same day

Wilkes Barre Dec 7. 76

Dear Doctor

After various delays I have at last obtained from Mr please be careful in taking out the papers as I have a few labels in them

No 1. Wood & leaves dont look a little like chesnut oak there but under the circumstances in which I found it - I cant separate it from the other. Mr numbered my

No 2 is wood & leaves from a chesnut oak 1000 feet below the other, just on the border of the white oaks.

The acorns belong to the specimen without numbers and are clearly of the kind and most from one tree - Deep snow now covers the North Mountain locality at which I had hoped to have gone before they

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but to which I am fear I shall have to postpone a visit until Spring when the acorns are much larger & more like the fig. given

J. M. Cutbrock

a No. 1. foliage, g. rubra
b " 2. wood & bark of large tree
c. 2 foliage of Prinus
2 trunk small tree 1 foot long nearly 3 inches diam.

not numbered: or by me numbered 3.

c foliage of wide & narrow leaved Prinus
f large piece of trunk & bark
g cylindric section 6 inches high, 4" diam
h split section apparently of same, 2" high
i a branch, or shoot from the base 10 inches long 1½ wide
K. acorns said to belong to this unnumbered sp. but rubra

Only a & K are rubra
All others b – i are Prinus, and most probably also the wood, marked 1.

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Rec Dec 27th
Ans Jan 7

Wilkes Barre Dec 24 - 76

My Dear Doctor

As the matter now stands I have no point of issue with you - and freely concede all you now demand -

In my last I did not express an opinion as to the species of Hol. Wood & leaves. I only said they came off the same tree, this you now grant and I surely will not doubt if you call that tree, nutra - Though it has on its upper bark some very strange marks - Unfortunately it is now blown down - And we can never complete a series of specimens from it. The acorn question I freely yield. And next season will be glad to obey all your commands for specimens. I am not however satisfied with the specimens of 2 Montrichia I have sent you

when spring opens I think I can do much better in that species for far from Northampton. See ~~[illegible]~~ Mitchg under Monticola. I am about leave now of the Philad place - but horror of horrors just as I am about being fixed for life my health shows signs of breaking down - I suffer so much from my head that I cant do more than half a days work. and most of the night toss about in bed like a lost soul on the banks of the river Styx. Soon as I am through with the Ulmus report and my first course of lectures I must let up studying for a while.

Yrs Ever
G. Wittmack

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